

# Nuclear Division News



A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 8/No. 22 November 10, 1977

## Answer Box...

# How are you combating the cost of living?

According to a random check throughout the four Nuclear Division plants, Union Carbide employees are pretty fair economists. To the question, "WHAT ARE YOU DOING TO COMBAT INFLATION?" came a variety of answers. A consensus was "never purchase anything on credit anymore." New interest rates, particularly those compounded daily, will create debts on top of debts. Another interesting feature came up. One employee raises more than 90 percent of his family's grocery needs...and he lives in town! Backyard gardening was recommended not only as a means to combat inflation, it was also pushed for exercise and that "something to do" outside during the summer months.

(Editor's note: A roving reporter type feature is planned for future issues of the *Nuclear Division News* on issues which face us all. Suggestions on future topics will be appreciated.)



**Helen M. Truett**—ORGDP Benefit Plans

First, there are food and clothing. I always use discount coupons which appear in the paper. I also compare brand costs **before** making a purchase. I'm always alert to sales, but don't necessarily buy something just because it's on sale. We are using left-overs more than we once did too. Sometimes I plan a meal, trying to figure out how good the left-overs will be. On clothing, I usually buy toward the end of the season. Prices are lower then, and the clothes will be good for two seasons. I make some of my own clothing too. I always use self-service filling stations, and ride to work with someone else. We have insulated our home this summer, and plan to use two fireplaces we haven't used in some time...also we have insulated around our windows and garage door. We have our own firewood and hope to cut down on fuel expenses this winter.

**Nancy Alexander**—clerk, ORNL Photography Department, rebels against inflation by boycotting products with soaring prices. "Coffee is the best example—I wait until it goes on sale or when I have coupons, otherwise I don't buy it." She also doesn't buy some of the more expensive brands she used to buy and remembers to check pounds and ounces.

### UCC board declares 242nd quarterly dividend

The board of Union Carbide Corporation has declared a 70¢ dividend, payable on December 1; to stockholders of record on November 4. This is the 242nd consecutive dividend paid by the corporation.

Payment of this dividend totals \$2.80 a share paid in 1977 on outstanding shares, comparable to \$2.50 for the same period in 1976.



**Sharon Nelson**—technician, Solid State Division, ORNL, does something she never used to do... "Pump my own gas!" She also tries to fight inflation in the grocery store: "I used to 'speed shop' and buy the first brand I picked up from the shelf. Now, I slow down and compare prices."

**Eliza S. Robinson**—Taxi driver - ORGDP

First off, I ride in a car pool. This saves considerably on transportation to work. I also walk to town to buy groceries, and I watch prices, buying specials whenever I can use them. I also try to keep my lights off at home when they're not needed. A prime rule we are observing at the present is **NEVER BUY ANYTHING ON CREDIT**. Interest rates will eat you up if you're not careful.



**Boyd G. Warriner**—Paducah Cascade Operations

When purchasing goods and services, I try to look at the quality of the product I'm buying. I believe that one of the big reasons that we have inflation as we do today is that we, the consumer, have got away from buying the best and have begun buying the most. I think that you'll find that as inflation continues to rise, then also, will the value of quality products continue to rise and will not stand still as inferior products will. I also feel that if we are a bit more conservative than we have been; buy only good products; and only products we need, then we will see a leveling off of inflation. In fact, I think we can already see this in some areas of the market.



(Please see page 4)

## in this issue...

Bill Morgan has been named director of the Fusion Energy Division, and Lee A. Berry has been appointed director of the Fusion Program.

Their appointments are announced on page 3.

Other features in this issue:

- United Fund ..... page 2
- Question Box ..... page 3
- Inflation fighting ..... page 4
- About people ..... page 5
- Medicine Chest ..... page 7



# It's official: over top by \$65,000!

Final reports show that \$669,371 has been pledged or contributed by Oak Ridge Nuclear Division employees to United Way agencies in Anderson, Knox, Loudon, Morgan, Roane and other counties—nearly \$65,000 over the Division's 1977 campaign goal of \$605,000.

This figure is added to the Nuclear Division's corporate United Way gift of \$17,500, made at the outset of the campaign—bringing total contributions to \$686,871.

The Division's corporate gift went to Anderson County, the county in which its principal offices are located.

Distribution of the employee contributions is as follows: Anderson County—\$325,513; Knox County—\$179,776; Loudon County—\$34,641; Morgan County—\$25,577; and Roane County—\$98,040. An additional \$5,823 was designated by employees for other counties.

In some cases employee contributions exceeded county goals.

## All over 100

All three Oak Ridge installations had reached 100 percent of their goals by the last week of the campaign. Final figures showed ORGDP at \$227,807 (114 percent of goal); ORNL, \$254,810 (106 percent); and Y-12, \$186,754 (113 percent).

"The response and cooperation from the employees verify their belief and appreciation of the United Way and its value to the community—their friends, neighbors and fellow employees," Herman G. P. Snyder, general chairman for the Division's 1977 campaign, said:

"It has been my pleasure to be a participant in this campaign, but the credit must be given to the contributors, to whom I can only repeat 'Thanks to you, it works for all of us!'"

## Thanks organization

Snyder added that "there is no way for me to adequately express my appreciation to the many participants in our campaign organization, some of whom began working with me early in the year to organize administrative details, plan publicity, prepare training and educational materials, and establish the necessary liaisons with the county organizations."

About 90 percent of the nearly 17,000 Oak Ridge employees participated in the drive. Almost 60 percent contributed needed share amounts or more.

Installation chairmen for the 1977 campaign were Gary A. Riser, ORGDP; Gordon G. Fee, ORNL; and R. G. (Jerry) Dunn, Y-12.



**TELL REASONS FOR GIVING**—At the end of a successful campaign, six ORGDP employees last week discussed their reasons for contributing to United Way (see story). From left are Jim Shelton, John Fry, Leon Bunch, Pat Rutherford, Lynn Stansbury and Buck Alexander.

## 'Money just not enough'

At the 1977 campaign's end, ORGDP United Way publicity coordinator Gene Rooks gathered six employees who had contributed time, money or both to this year's drive and asked their reasons for doing so. Here are their replies:

**H. E. "Buck" Alexander, Finance and Materials:** "I support and work for the United Way because I enjoy people. I enjoy contacting people and asking them to contribute as much as I enjoy seeing people benefit from the United Way. I have a nephew who is retarded. So far he has not been dependent on these funds, but one of these days it may happen. So I feel I should do my best to help those who need it now, and possibly he'll use it later."

**Leon Bunch, Maintenance:** "I supported the United Way this year, as I have in the past, because I've seen how these agencies work and what a good job they do. Money's just not enough—I felt I should give some time as well as money."

**John T. Fry, Technical Services:** "I supported the United Way because it's a good way to do so much for so many different groups in our community."

**W. W. "Pat" Rutherford, Barrier:** "I have a son who is retarded and who has cerebral palsy and epilepsy, and I personally wanted to help agencies such as Michael Dunn and Daniel Arthur. The money that comes out of my check doesn't mean much to me because I don't miss it, but my child and other children like him receive benefits from this."

**Jim Shelton, Separations Systems:** "Because of the many organizations that United Way supports, and because it's so easy to have the deduction taken from your check, I feel like this is the best way to support many persons in need."

**Lynn Stansbury, Computer Sciences:** "Everyone has problems, but when I see the problems of others, mine seem small. I'm thankful that I have been so blessed, and am happy to share a small part with others."

## division deaths...

Earl E. Chambers, engineering draftsman, ORNL Engineering Division, died October 19 at his home.

Mr. Chambers was a Union Carbide employee for 23 years, having worked two years at Y-12 before transferring to ORNL in 1956 as a records clerk in the Engineering Technology Division. He also held the position of draftsman in the Engineering Technology Division before assuming the position of engineering draftsman in the Engineering Division. Mr. Chambers lived at Route 3, Seymour.

Survivors include his wife, Charlotte; daughters, Earlene and Angela Chambers; mother, Effie Chambers; and brother, Harold Chambers.

Funeral services were held at Atchley's Chapel, with burial in Holly Hills Memorial Park.



Mr. Chambers



Mr. Morris

Robert S. Morris, Y-12 Civil and Architectural Engineering, died October 22 in a Knoxville hospital.

A native of Knoxville, he joined Tennessee Eastman Corporation in 1944 at Y-12; and returned after Union Carbide assumed operation of the plant in 1947.

Active in civic affairs in Powell, Mr. Morris edited the **Powell Times**.

Surviving are his wife, Pauline Morris, Ewing Road, Powell; daughters, Catherine Maynard and Sharon Mahan; a son, Robert S. Jr.; a sister, Virginia Morris, and three brothers, Charles, John and Thomas D. Jr.

Services were held at the Gentry-Bartling-Griffey Chapel, with burial in the Tennessee Valley Memory Gardens.

Clemen H. (Buster) Begley died October 30 on a deer hunt at Catossa.

He was a senior reproduction clerk in the maintenance, and Materials and Services Division at ORGDP. He worked at the Y-12 Plant for Tennessee Eastman and joined the staff at ORGDP in 1948.

Survivors include his wife, Jaynell Begley, 306 Vermont Avenue, Oak Ridge; a son, Roger, who works at ORGDP; a daughter, Carolyn Mayes, and three grandchildren.

Funeral services were held at Weatherford's Chapel, with burial in the Oak Ridge Memorial Park.



Mr. Begley

## retirements...



**Kenneth S. Evans**  
Technical Services,  
ORGDP  
26 years service



**Lawrence S. Dickey**  
Gaseous Diffusion  
Development, ORGDP  
33 years service



**Elizabeth F. Grief**  
Finance and Materials,  
Paducah  
26 years service

## ORNL

RIDE ONLY from Van Hicks Road, "Village" area, Oak Ridge, 7-3:30 shift. R. L. Tyndall, home phone 483-0951, plant phone 3-7427.

FIFTH CAR POOL MEMBER from vicinity of Middlebrook Pike, Country Club Apartments, Cedar Bluff Road, and Landmark and Gulf Park Subdivisions, Knoxville, to East Portal, 8:15-4:45. J. W. Sims, plant phone 3-1486, home phone 693-8829.

OCCASIONAL RIDE for part-time employee from Broad Acres, Powell, to East Portal, straight days. Call 947-0347, Powell.

RIDE from Jackson Square area, Oak Ridge, to any Portal, straight day. A. M. Haggag, plant phone 3-6468.

## Y-12 PLANT

RIDE from Lake City to North or Central Portal, straight day. Gwen Hensley, plant phone 3-5101, home phone Lake City 426-2021.

ONE VAN POOL RIDER from Weisgarber Road, Lonas Road, Meadowbrook Pike area, Knoxville, to any portal except Pine Ridge, straight day. Al Brown, plant phone 3-5824, home phone Knoxville 584-1273.

wanted...



## ORGDP

TWO OR THREE carpool members from West Knox County, Ball Road, to Portal 5, D Shift. Jack McKinney, plant phone 3-3476, home phone Knoxville 690-1888.



## question box

If you have questions on company policy, write the Editor, **Nuclear Division News** (or telephone your question in, either to the editor, or to your plant contact). Space limitations may require some editing, but pertinent subject matter will not be omitted. Your name will not be used, and you will be given a personal answer if you so desire.

### Minimizing taxes

**QUESTION:** Employees who are retiring want to minimize taxes to be paid on retirement. Unfortunately, the "layoff" allowance, pay-in-lieu-of-vacation, savings bond purchases, and the savings plan account all become available at the time of retirement resulting in high income and high income tax that year. UCC has softened the problem by allowing the Savings Plan Personal Investment Account payout to be postponed for a year or to be paid over several years. Why is it not possible to spread the layoff allowance (which was earned over many years) over several years instead of having this sometimes large sum taxed in only one year?

**ANSWER:** As you indicate, vacation payment due is paid in a lump sum at the time an employee retires. However, we will defer the layoff allowance payment until the year after retirement if an employee requests this in writing.

Savings bonds are merely turned over to an employee at retirement and are normally not taxable until they are cashed. The regular Savings Plan payoff can be avoided by some advance planning. An employee may put all of his/her money in the Personal Investment Account during the final four years to avoid any cash payment at retirement time.

## Packer to manage benefit plans

Joyce B. Packer has been named benefit plans administrator for the Nuclear Division, according to Pat C. Fournery, manager of Employee Relations. She will succeed William E. Williams Jr., who has elected early retirement for January 1, 1978.

A native of Anniston, Ala., Packer joined Union Carbide in 1972. She has recently worked as supervisor of the executive payroll and employee benefits in General Accounting and as a systems analyst in the Systems and Procedures Department. Prior to joining the Nuclear Division, she worked with Tenelec, Bowden Electric Company, and was self-employed as a public accountant.

A graduate of Gadsden Business College, Packer holds certificates from the American Management Association and Dun and Bradstreet. She also has a diploma from the International Accountants Society.

She and her husband, Clarence E. Packer, ORNL's Plant and Equipment Division, live on the Oak Ridge Highway, Knoxville. They have a son, Clarence E. III.



Packer

An employee planning early retirement can usually minimize his/her taxes by retiring early in the year rather than on December 1 or late in the year.

### Pre-employment physicals

**QUESTIONS:** If physical disabilities are not a reason to deny employment, why are all applicants medically examined who come for interviews rather than the successful applicants only? Is the cost of such medical screening justified?

**ANSWER:** Applicants are not denied employment because of a stabilized physical disability, if they are qualified to perform the job for which they are being considered. However, there are types of medical disorders that make it impossible to perform some jobs; e.g., the ability to lift bears directly on job performance of a rigger. Sometimes employment candidates are unaware, or do not understand the nature and extent of a medical problem. The medical evaluation often determines which jobs applicants are physically able to perform safely.

Every applicant for employment is not given a physical examination; this would certainly be an unnecessary expense as you indicate. Under normal circumstances, the number of pre-employment physical exams should not be excessive in relation to the number of employees hired.

### Guard-watching

**QUESTION:** Is there any good reason for paying salaried employees to sit in vehicles and watch the guards at ORGDP?

**ANSWER:** Salaried employees at ORGDP are not assigned to sit in vehicles and observe guards. Your question is too general for a more specific response.

## Parker promoted at Paducah Plant

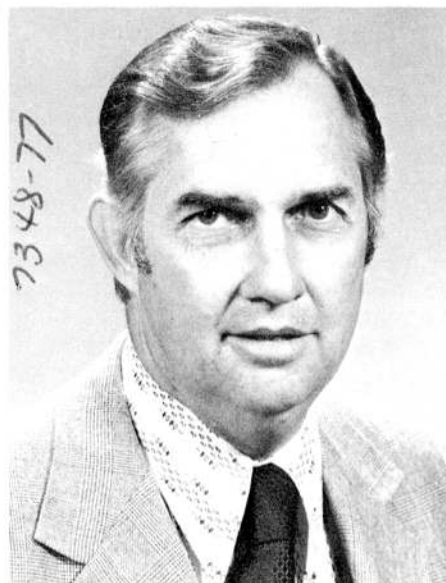


Parker

Ronald D. Parker has been promoted to an inspector in the Mechanical Inspection Department at the Paducah Plant. He joined Union Carbide recently as a trainee.

A Paducah native, Parker is married to the former Judy Parsons. They live on Six Oaks Drive, Paducah, with their children, Jeffrey, Ronna, Paul and Martie.

## Morgan, Berry appointed to Fusion Energy posts



O. Bill Morgan

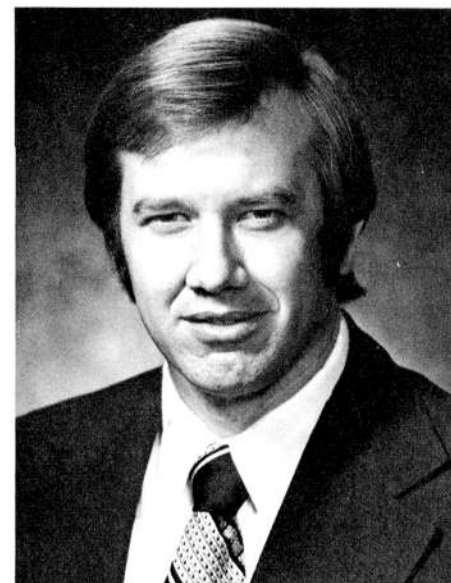
Two major appointments to head fusion energy research and development at ORNL have been announced. O. Bill Morgan has been named director of the Fusion Energy Division, and Lee A. Berry has been appointed director of the Laboratory's Fusion Program.

Morgan succeeds John F. Clarke who recently joined the national fusion program as deputy director of DOE's Magnetic Fusion Energy Division. As division director, Morgan will be responsible for managing and executing functions of the division, which currently includes more than 170 staff members.

The new position of Fusion Program director was established as a result of major expansions in budget during recent years, and the increasing number of fusion-related activities being conducted by divisions other than Fusion Energy.

As a program director, Berry will have programmatic responsibility for all fusion energy activities at the Laboratory.

Morgan joined the Fusion Energy Division (then Thermonuclear Division) in 1958. He received his bachelor's and master's degrees in engineering physics from North Carolina State University, where he was a member of Phi Kappa Phi, Tau Beta Pi and Gamma Sigma Delta honorary societies.



Lee A. Berry

He was awarded an ORNL fellowship to the University of Wisconsin in 1966, and received his doctorate degree in nuclear engineering in 1970.

Morgan has held several positions in the Division, including head of the energetic particle injection section. Since 1974, he has served in a dual capacity as associate division director and head of this section.

Morgan is a member of the American Physical Society. He and his wife, Nancy, and sons, Steve and Ken, live at 126 Westlock Circle, Oak Ridge.

Berry received his bachelor's degree in mathematics and physics, and his master's and doctorate degrees in physics from the University of California at Riverside.

In 1970 he joined the Thermonuclear Division, and worked initially in the turbulent heating and tokamak research programs. He has served as head of the tokamak experimental section since 1974.

Berry is a member of Phi Beta Kappa and the American Physical Society, and currently is an associate editor of **Physics of Fluids**, a publication of the American Institute of Physics.

He and his wife, Linda, a demographer in ORNL's Energy Division, live at 103 Emerson Circle, Oak Ridge.

## next issue...

The next issue will dated November 24. The deadline is November 16.

## patents...

To Wesley D. Arnold Jr., ORNL, for "Method for Separating Mono- and Di-Octylphenyl Phosphoric Acid Esters."

## Long weekends set for winter holidays

A two-day holiday is coming for Nuclear Division employees. November 24 and 25, official days off in observance of Thanksgiving, will give us the first of two four-day weekends.

Next month will feature another long weekend, as holidays are set for Friday, December 23, and Monday, December 26.

## safety scoreboard

Time worked without a lost-time accident through November 3:

Paducah .....	104 Days	1,378,117 Man-Hours
ORGDP .....	189 Days	6,171,052 Man-Hours
Y-12 Plant .....	261 Days	8,064,000 Man-Hours
ORNL .....	1919 Days	4,186,461 Man-Hours



# Fighting inflation: Nuclear Division employees give pointers

(Continued from page 1)



**Forrest L. Clark**—Y-12 Retiree

It's certainly not easy...combating inflation these days. I did not know that I would feel its pinch this soon after retirement. The main thing I am doing now is keeping my daughter's tack shop (bridles, saddles, etc.) going, even though she isn't around to help. This adds to our income some.

**John H. Jones**—Paducah Engineering

As far as finances are concerned, inflation has me on the ropes and I will soon be going down for the count. Seriously, though, in my case, it helps to be single except at tax time. I really have never been good at budgeting, but I'm finding it's becoming more and more necessary for me to start. For me, it is becoming the main concession to inflation and like many other people I'm learning that if you don't have, you can't spend.



**Vivian Jacobs**—technical editor, Chemical Technology Division, ORNL; avoids impulse buying and stocks up on specials when she shops. "I very carefully shop the ads and stick to my grocery list, with the exception of specials...then I buy huge quantities. Like buying two dozen bottles of ketchup at 74 cents a quart, when it regularly sells for 99 cents."

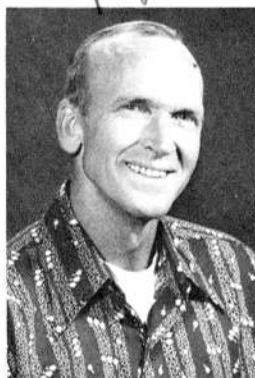


**Linda Carrigan**—Paducah secretary

I have tried to beat inflation and economize by eliminating the use of so many paper products. These items have become expensive and we are very wasteful with them. I have bought cloth dinner napkins, in various colors, to replace paper napkins. These can be thrown in the washer and dryer, and they make mealtime a little more elegant.

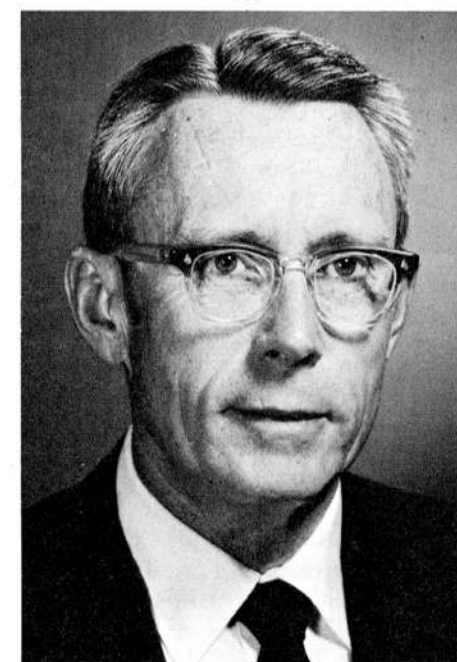
**Bill T. Wolfe**—Paducah Engineering

I try to handle inflation in a couple of ways: (1) cut spending and (2) invest money at a higher interest rate than the cost of living. These are my ideas, but I have a hard time living by them.



**Frank Bruce**—associate director of administration, ORNL, fights inflation in two ways: 1) "From May 1st to November 1st, we grow all the vegetables we eat during the year." 2) "In view of the very high cost of craftsmen, I've been doing much of my own home repair work, such as the two storm doors I recently installed."

Money saved on gardening or home repairs represents an income tax savings because it goes much further than a dollar saved from your earnings.



**Charlie R. Robinson**—Y-12, Atomic Trades and Labor Council vice president

How am I fighting inflation? That's a good one. The more I try to cut down on spending, it seems, the more I spend. One thing inflation has done for us at my house...it has made handymen out of all of us. We try to make things last at home now. At one time when something broke down, we went out and bought a replacement; now we try to either fix it ourselves or get it fixed. I have had to learn to fix things that I never bothered with before. Another thing, I keep service contracts on my appliances now, so that they are covered when they need repairs.



**D. Steve Napolitan**—Head of ORGDP's Information Services-ORGDP Classification Officer

Jean and I are combating inflation by going at its causes...we avoid paying high prices for things we do not need. We don't incur obligations either where we will have to pay as high as 18 percent interest charges. We use credit cards, but try to shop wisely and pay them off every month. What a lot of people don't realize is that interest (particularly on credit cards) accumulates daily. If you let those charges ride, the first thing you are doing is paying interest on interest. Then you're really in trouble.



**Joe Danek**—health physicist, Health and Safety Research Division, ORNL says "There's not much individuals can do about inflation that is not energy-related. For instance, I keep an eye on my thermostat by following the settings recommended by the national energy conservation policy. In summer, I rarely turn on the air conditioner; instead, I use electric fans."

**C. A. Boone**—Y-12 Assembly Division

Well, we look for bargains harder than we once did: You can cut down on luxuries like vacations...don't go as far, and when you do, stay at the less expensive motels. We didn't go to Florida this past year, like we usually do. If transportation costs keep going up, a lot of us are going to have to curtail our traveling.



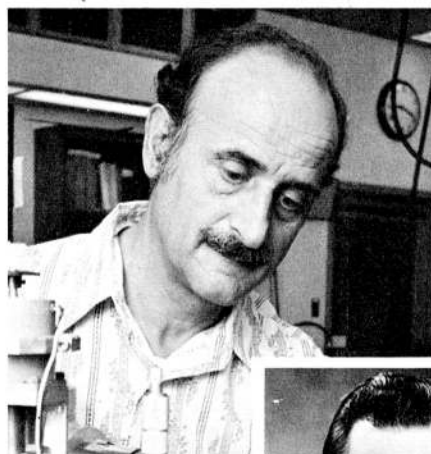
# about people...



Steiner



Bloom



Ricci



Horak



Row



Wymer



Whitesides



Martin



Roussin



Cottrell



DuBose



Gray



Storer

Nine ORNL employees have been elected to American Nuclear Society (ANS) professional division offices for the 1977-78 term. They are: Everett E. Bloom, William B. Cottrell, James A. Horak, Enzo Ricci, Robert W. Roussin, Thomas H. Row, Don Steiner, G. Elliott Whitesides and Raymond G. Wymer.

**Bloom**, a metallurgist in the Metals and Ceramics Division, has been elected to membership on the executive committee of the ANS Materials Science and Technology Division. Bloom joined Union Carbide in 1964. He is a member of the American Society for Metals.

**Cottrell** is the new vice chairman/chairman-elect of the Nuclear Reactor Safety Division. He is head of the safety information section in the Engineering Technology Division. He also is the editor of the **Nuclear Safety Journal** and director of the Nuclear Safety Information Center. Cottrell has been with the Nuclear Division since 1947.

**Horak**, who joined Carbide in 1974 and is a senior research scientist in the Metals and Ceramics Division, has been elected as the new vice chairman/chairman-elect of the ANS Materials Science and Technology Division. He is a member of the American Society for Testing and Materials and is a registered professional nuclear engineer.

**Ricci**, a member of the research staff in the Analytical Chemistry Division, has received two positions: secretary of the Isotope Division and a slot on the executive committee of the Radiation Division. Ricci is a member of the American Chemical Society, the Argentinian Association of Chemists, and has received a fellowship in Canada from the International Atomic Energy Agency.

**Roussin** is now a member of the executive committee of the Radiation Protection and Shielding Division. He works in the Neutron Physics Division as data coordinator for the Radiation Shielding Information Center. Roussin has been with the Nuclear Division nine years.

**Row**, head of the environmental impact section of the Energy Division, now is vice chairman/chairman-elect of the ANS Environmental Sciences Division. Row is a member of the National Association for the Advancement of Science, Sigma Xi, and the National Association of Environmental Professionals.

**Steiner**, Fusion Energy's fusion reactor technology program manager, is now chairman of the ANS Controlled Nuclear Fusion Division. He had been designated chairman-elect last year. Steiner joined the Nuclear Division in 1967.

**Whitesides** is the new chairman of the Nuclear Criticality Safety Division for ANS. He is the head of the nuclear engineering applications department in the Computer Sciences Division and has been with the Nuclear Division 17 years.

**Wymer**, associate director of the Chemical Technology Division, is serving as secretary/treasurer of the ANS Nuclear Fuel Cycle Division. He was elected to the position in 1975 for a three-year term. Wymer has been a Carbide employee since 1953.

**John B. Storer, M.D.**, director of the Biology Division, has been appointed to the Scientific Council of the Radiation Effects Research Foundation (RERF). The RERF is a cooperative Japanese-United States research organization whose members conduct research on the effects of radiation on man, including effects on lifespan, disease incidence and inherited effects in the offspring of atomic bomb survivors.

Dr. Storer joined Union Carbide in 1969 as scientific director of pathology and immunology for the Biology Division, and was named division director in 1975.

**Robert J. Gray** and **C. K. H. DuBose**, both of the Metals and Ceramics Division, were honored recently at the annual meeting of the International Metallographic Society (ISM).

**Gray**, head of M&C's metallography group, was elected to a two-year term as president of ISM. The Society, which has more than 500 members, was founded to promote and raise the professional standards of optical and electron metallography, ceramography, petrography, micrography and their allied sciences via technical reporting at meetings and through literature.

**DuBose**, laboratory supervisor of M&C's radiation effects and microstructural analysis group, received the Society's President's Award. The award was presented "in appreciation for his outstanding contributions to the Society and especially for his efforts toward the development and continued success of the International Metallographic Exhibit." DuBose, who attended the University of Tennessee, Knoxville, is one of the founders of the Society, which was established in 1968.

**John A. Martin**, deputy director of the Oak Ridge Heavy Ion Research Facility, Physics Division, has received the 1977 Merit Award from the Nuclear and Plasma Sciences Society (NPSS). Martin's selection was based on innovative and leadership contributions, publications and patents, and service to NPSS and the Institute of Electrical and Electronics Engineers.

Over a 20-year span, Martin has emerged as an international authority on accelerator development. Specifically, he led a group which provided the first demonstration of the feasibility of isochronous acceleration in a cyclotron of highly relativistic particles. He has also held several consultive appointments for ERDA and the National Science Foundation.



**Rebecca Rickman**, certified professional ORNL secretary, Neutron Physics Division, received recognition as a 25-year member of the National Secretaries Association at the monthly meeting of the Tennessee Division of NSA. She was one of four secretaries in Tennessee to be so honored.

A Carbide employee for 27 years, Rickman has served three times as president of the Oak Ridge NSA Chapter and served twice as the Tennessee Division president.



## recreationotes

### Carbide bowling. . .

#### Y-12 C League. . .

The Mini-Strikes lead the "C" League over the Rounders. Ray Edwards rolled the high handicap series with a 659.

#### Y-12 Classic. . .

The Eightballs carry only a one point lead over the Smelters in the Classic. H. Keen's 253 individual scratch game and the Splinters, 1090 handicap team game were recent highs.

#### Y-12 Mixed. . .

Bits & Pieces moved into first place over the Friskies last week with a one-half point lead. The Roll-Aids are in a close third. Emily Hester rolled a 222 scratch, 537/678 handicap.

#### K-25 Tuesday. . .

The City Slickers continue to stay way ahead in the K-25 Tuesday League over the Fearless 5. M. N. Strickland rolled a 245 scratch, 261 handicap game for the high.

#### K-25 Wednesday. . .

In the K-25 Wednesday Night League, the Sue Sooners hold a commanding lead over the Planners, 147 to 124-1/2 points. High series was won by Peers - 692.

#### ORNL C League. . .

The Alley Rads still hold the lead in the ORNL C League, but the Damagers are coming on strong with only 2-1/2 points behind. The Cellar Dwellers also broke a new record winning 29 out of 30 possible points—1106-1001-1047 for a 3154 series.

#### ORNL A League. . .

The Zots carry a four point lead over the Limits in the ORNL A League. Steele for the Woodchopper's team rolled a 220 scratch.

#### ORNL Ladies. . .

The Mousechasers are still leading the ORNL Ladies League over the Avengers. The Coolettes rolled a 2287 handicap series for a season high on October 12.

#### ORGDP Women's. . .

Mary Foley rolled a 567 high scratch series recently to push the Uptowners into first place over the Out-of-Towners. Beulah Cotton rolled a 683 handicap series.

#### Family Mixed. . .

The Oops and Challengers are tied for first place in the Family Mixed League. John Patton had a 622 series for the men and Georgia Gwinn's 645 was high series for the women.

#### Carbide Shifters. . .

The race is close this week in the Carbide Shifters League. The Number 9 is only leading one-half a point over 3 Fuds & A Stilly. Jackie McIntyre holds the high scratch series, 513 for the women.

#### Monday Mixed. . .

The Four Eagles have a good hold on first place with a five game lead. Tied for second place are the Alley Cats, Roadrunners, and Spare Parts. Jackie Sims took first place handicap series for women with a 625.



*HAPPY HOLIDAYS '77—The ORGDP Christmas dance will feature music of the White Brothers and Sister D. It is set for Saturday, December 3, at the Oak Ridge Civic Center. Tickets are \$6.50 each and are available throughout the plant.*

## ORGDP chooses Dec. 3 for big Christmas dance

Saturday, December 3, is the big day for ORGDP festivities. The Maintenance Division has assumed plans for this year's big event, with Wayne Pope acting as chairman.

The dance is expected to be one of the best ever, with an excellent band called "White Brothers and Sister D."

### Physical fitness. . .

The Union Carbide physical fitness program began Monday, and will be held each Monday and Wednesday at 6:15 and 8:15 p.m. at the Norwood Junior High School Gymnasium, Oliver Springs. All employees and spouses are eligible to participate in the program.

PH77-3865

Pope says that the food and decorating committees have completed their plans, to assure good food and a holiday atmosphere for the expected 600 people who will attend the dance.

Tickets for the event are \$6.50 each, and may be purchased through department secretaries, and are on a first-come, first-served basis.

Make early plans to attend the big dance December 3.

### Table tennis. . .

Free competition in table tennis takes place each Thursday night at the Norwood Junior High Gymnasium. Sets are planned for 6:15 and 8:15 p.m.

### Turkey shoots. . .

Winners in the October 22 Separation Systems Division turkey shoot were Stewart Liles, L. M. Hayes, Henry Jones, Harry Hallwas Jr., R. L. Sampson, J. H. Worthington, C. Anderson, Dennis Grooms, D. W. Brewer, Harry Hallwas Sr., Joyce Angelelli, Tom Bullock, Dick Warner, Bud Varnadore, Hollis Stakes, Bill Schabot and C. W. Castle.

Additional turkey shoots will be held at the Oak Ridge Sportsmen's Club Saturdays, November 19 and December 3, beginning at 9:30 a.m. The price is \$1 per relay which includes shells. All Carbide employees are welcome and should bring their own shotguns. Free coffee is available.

The ORNL B Shift turkey shoot for November 20 has been changed. Y-12 D Shift has also cancelled their shoot for the 17th of December.



*HOOTENANNY CHAMPS—The 1977 K-25 Hootenanny softball tournament was won rather handily by the Technical Division's team. From left are Ruben Melton, Bill McLendon, Harold Conner, Tony Angelelli, Jim Shoemaker, Calvin Angel, Tom Coombs, Richard Sale, Paul Hight and Bob Eby. Not pictured are Frank Gethers, Jerry, Goddard and Brian Damiano.*





*medicine chest...*

## Eye damage; Insulin dependence

by T. A. Lincoln, M.D.

*(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 20, Y-12, or call the news editor in your plant, and give him or her your question on the telephone.)*

**QUESTION:** "Several of our division's employees have brought up a question regarding possible eye damage if the copying machines are used with the document cover open. Do you have any information on this matter?"

**ANSWER:** The recommendation that the document cover always be used for most office copiers is based primarily on concern for possible personal discomfort rather than injury. Also, better copies are usually obtained when the cover is closed. In some machines it is necessary to close the cover in order to get good copies because the surface is rounded to maximize the optics.

### Eye damage from copiers?

The Xerox 9200 and their Telecopier machines will not operate with the cover open. There is an interlock system which makes the machine inoperative with the cover open. The 9200 has an extremely brilliant light with an ultraviolet component which could be hazardous with repeated exposures. The Telecopier has a low power laser beam (only about 0.5 microwatts) which should not be looked at. If anyone discovers that either of these machines work with their covers open, they should immediately contact their supervisor or the Health Center's Industrial Hygiene Departments. Sometimes clever engineers or technicians will bypass interlock systems in an attempt to save time for the operators.

The above precautions apply only to Xerox manufactured copying systems. Others which use similar principles may have other problems. They all have a bright light which may have an ultraviolet component, but it is usually almost completely filtered out by the clear plastic platen upon which the operator places the material to be copied. Other machines may have special problems, so if you have any questions, I suggest you check with your plant's Industrial Hygiene Department.

### U-100 insulin

**QUESTION:** Although the following question was not actually received in writing, it does represent several verbal questions I have had in the past year. Also, because of a recent article in the *Journal of the American Medical Association* (JAMA), I decided to ask and answer my own question! It is, "Why should any diabetic who takes U-40 or U-80

insulin convert to U-100 insulin? Is there a danger of withdrawal of U-40 or U-80 insulin from the market?"

**ANSWER:** There are quite a few insulin dependent diabetics at work for the Nuclear Division in Oak Ridge and Paducah. There are also a great many relatives and friends of relatives of UCC employees who should be aware of what is going on in insulin manufacture.

In the October 24, 1977, issue of the JAMA, Dr. James M. Moss, Georgetown University School of Medicine, and John A. Galloway, Indiana University School of Medicine, reviewed the present status of U-100 insulin.

In 1973, U-100 insulin was introduced in this country to try to reduce the total volume of material which had to be injected with each dose and to reduce the confusion and subsequent misadministration of U-40 or U-80 insulin. (The "40," "80," and "100" refer to the number of units per cubic centimeter.)

### Insulin misadministration

Prior to the introduction of U-100 insulin, U-40 and U-80 were sold in their several forms (regular or plain, N.P.H., Lente, SemiLente, UltraLente and Protamine Zinc) in concentrations of 40 units or 80 units per cubic centimeter. Both glass and plastic disposable syringes were available which had both the U-40 and U-80 scales marked on their barrels. Sometimes patients would mistakenly use the U-40 scale when actually using U-80 insulin and would therefore administer much too much insulin. Others might use the U-80 scale when administering U-40 insulin and consequently take too little.

It has been found that even though the "dead space" in the insulin syringe could cause slight problems in people on small doses of U-100 insulin, it has not been an important problem. Dead space is the hollow space in the needle, the hub of the syringe and up to the tip of the end of the plunger. It is not emptied unless the syringe is flushed out. When only one insulin type is administered, this dead space is of no consequence. When two types are mixed, this dead space could be of some importance when extremely small amounts of insulin are administered.

The Canadians have withdrawn U-40 and U-80 insulins from the market. Although no date has been set, it is likely that they will eventually be



### Edwin Newman visits Nuclear Division

During a recent Oak Ridge visit, television newsman and author Edwin Newman of NBC, second from left, received briefings on ORNL's fusion program by, from left: Ray A. Dandl, head of the high beta plasma section; O. B. Morgan, director of the Fusion Energy Division; and Murray W. Rosenthal, ORNL associate director for advanced energy systems.

## anniversaries

### ORGDP

25 YEARS

George M. Vowell, Nelline P. Ross, Edward S. Burnette and James M. Young Jr.

### PADUCAH

30 YEARS

James M. Gardner, Sanitary Water Production.

25 YEARS

Edwin J. Archer, William M. Moffitt, W. A. Brown Jr., Charles W. Elliott Jr., Will Wright Jr., Forrest M. Blaine, Joe E. Hargrove, David A. Carlson, Hubert P. Jackson Jr. and Thomas R. Cole. David R. Wilson, October 27.

### BEHIND THE HEADLINES

Disasters are front-page news even though the lives lost in the United States are relatively few when compared to the day-to-day life losses from ordinary accidents.

withdrawn from the USA market. One large insulin manufacturer has already stopped making straight beef and straight pork U-40 and U-80 insulin and now only manufactures the mixture. These straight insulins had been used by 30,000 patients and the stoppage which required them to convert to U-100 caused no great outcry.

All insulin users should push their physicians to switch them to U-100 insulin. It is extremely simple. Why wait until you are forced?

### Y-12 PLANT

30 YEARS

Edward F. Smith, Tool Grinding; and Danty T. Cook, Alpha Five East Shop.

25 YEARS

Hacker Woodby, Kenneth S. Murphy, Craig Waldroup, John F. Hood, Howard S. Smith, Harold Rector and Calvin C. Devaney.

20 YEARS

William R. Jackson, Edward R. Stover, Clifford B. Russell and Charles M. Salley.

### ORNL

30 YEARS

Frank W. Manning, Instrumentation and Controls; Nell Dunham, Information; William E. Shockley, Chemical Technology; Mae E. Pepper, Chemical Technology; Glen I. Gault, Analytical Chemistry; Ned M. Clark, Plant and Equipment; Hoytte C. Easter, Plant and Equipment; James N. Smith, Instrumentation and Controls; and Mary H. Queener, Information.

25 YEARS

James A. Wallace, Clinton L. Haley, Lonnie W. Gilley, Clyde Hamby Jr., James H. Marable and Marion G. Ailshie.

20 YEARS

Claude T. Long, William R. Van Pelt, Mildred D. Williams and Robert P. Oliver.



# REGISTRATION FORM CHAIN SAW SAFETY SEMINAR

Saturday, November 19, 1977

9 a.m.-12 noon

Name \_\_\_\_\_ Date \_\_\_\_\_

Plant: ORNL \_\_\_\_\_ Y-12 \_\_\_\_\_

ORCDP \_\_\_\_\_

Clip and mail to Dennis Bradburn, Bldg. 1503, ORNL,  
by November 16.

## Cutting firewood can be safe, seminar will demonstrate

A seminar on "chain saw safety" will be conducted by Dennis Bradburn, head of the Nuclear Division's Forest Management Program, Saturday, November 19, in the East Auditorium at ORNL.

The seminar will begin at 9 a.m., with a lecture covering: types of chain saws and accessories; maintenance and care; proper use and handling; correct felling, limbing and bucking techniques; and transport and storage. A brief question and answer period will follow.

Participants will then be accompanied by forest management staff to designated areas in the woods for actual demonstrations of the safety procedures covered in the lecture.

The need for such a seminar was established during the last public firewood cutting when two Nuclear Division employees were injured—one by a chain saw and the other when a piece of wood from a tree he was cutting split off and hit him in the face.

The seminar, which was presented to Environmental Sciences Division staff last summer, will be open to the public. Attendance will be limited to 100 persons.

Nuclear Division employees who plan to attend must fill out the form below and return it, no later than November 16, to Dennis Bradburn, Bldg. 1503, ORNL. Admission will be by badge.

Individuals who do not work in the Nuclear Division will be required to call the Public Relations Office, extension 3-6421, by November 16, to have a pass arranged for them.

If there is sufficient interest expressed by those who cannot attend the seminar on November 19, it will be repeated the first of the year.

## Bioethical problems topic of Nov. 16 talk

Margaret Maxey, associate professor of bioethics at the University of Detroit, will present a special seminar on "Technology Assessment: Bioethical Problems and Priorities," November 16 at ORNL.

Maxey, one of the nation's leading opponents of the no-growth concept, will speak in the East Auditorium at 10 a.m. The seminar is sponsored by ORNL's Industrial Safety and Applied Health Physics Division.

## about people...



Spiwak



Frankel

**Irving Spiwak** has been appointed manager of the Nuclear Energy Assessments Program at ORNL. As program manager, he will coordinate assessment programs sponsored by DOE's Division of Nuclear Research and Applications, and will serve as the principal contact with DOE's nuclear assessment organization.

**Andrew J. Frankel** has been appointed coordinator of ORNL's Nonproliferation Assessment Technical Support Office, which will evaluate data generated in DOE's Nonproliferation Alternative Systems Assessment Program and prepare the summary Nonproliferation Alternatives Evaluation Report for DOE.

Spiwak joined the Nuclear Division in 1949. He is head of the Engineering Analysis Section of ORNL's Engineering Technology Division, and will continue in this position. Frankel, also of the Engineering Technology Division staff, joined Union Carbide in March, 1977.

## Four named Y-12 foremen

Lon R. Hopson, William L. Pankratz and William E. Whillock have been named supervisors in Y-12's Maintenance Division; and William H. Robinson has been promoted to a supervisor in Utilities.

Hopson, a native of Middlesboro, Ky., joined Union Carbide earlier this year. He has an A.A. degree from Hiwassee College and a B.S. from the University of Tennessee. Prior to joining Union Carbide, he was with Driftwood Nurseries, Kinsey Gardens, Inc. and the Hopson Dental Lab.

Mrs. Hopson is the former Brenda Chrisman, and the couple lives at Route 4, Lenoir City.

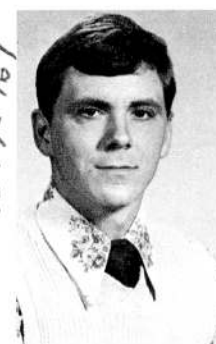
Pankratz is a native of Vona, Col., and joined Union Carbide in 1969. He worked at Cape Canaveral prior to that time.

He and his wife, the former Elizabeth Kolar, live at Route 1, Rockwood. They have eight children, Dennis, Nancy, Karen, William, Linda, Cathy, Joy and Christopher.

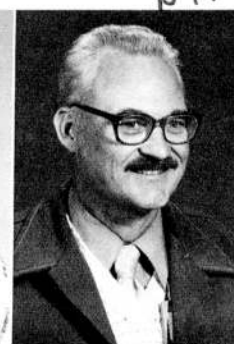
Robinson was born in Siloam, Ga. Before joining Union Carbide more than eight years ago, he worked with C. M. McClung.

The Robinsons live at 5513 Springplace Circle, Knoxville, and have a daughter, Keenan. Mrs. Robinson is the former Gail Reece.

Whillock, a native of Dandridge, served in the U.S. Army and worked



Hopson



Pankratz



Robinson



Whillock

with American Enka before joining Union Carbide nine years ago.

Whillock and his daughter, Lisa, live in Dandridge.

## Norm Sparks takes post in Payroll

Norman E. Sparks has been named a supervisor in the benefit plans group of the General Accounting Division. He will also serve as acting section head of the executive payroll and employee benefits section of Payroll.

A native of Malden, Mo., he holds a B.B.A. from Memphis State University. He served in the United States Marine Corps four years prior to entering school, and joined Union Carbide in 1974.

He and his wife, Deborah, live at 8325 Hunterhill Drive, Knoxville. He is a member of the Knoxville Chapter of the National Association of Accountants, where he is serving as director of publicity.



## safe thinking . . .

**CLOTHESPINS** — Can contribute to safety in traffic. Toll tickets, written directions and instructions, and some kinds of identification can be clipped to the sun visor, eliminating the need to divert attention from driving while searching for such items.

## patents granted. . .

To William L. Goodwin, Y-12 Plant, for "Laser System Present Unit."

To Harlan D. Whitehead, James M. Schreyer, Charles R. Schmitt and John M. Googin, all of the Y-12 Plant, for "Solar Radiation Absorbing Material."



### UNION CARBIDE CORPORATION

NUCLEAR DIVISION

P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

ADDRESS CORRECTION REQUESTED

BULK RATE  
U.S. Postage  
PAID  
Union Carbide  
Corporation

